



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

***Name of Work: Modified Estiamte for Improvements
to Roads and Drains at Basavasamithi and
Surrounding area in Ward No. 14 (Vidyaranyapura).***

Job Code: 014-23-000004

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<i>Estimated Cost:</i>	<i>Rs. 25.00 Lakhs</i>
<i>Approved Cost:</i>	<i>Rs. 16.48 Lakhs</i>
<i>Modified Cost:</i>	<i>Rs. 16.48 Lakhs</i>
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YELAHANKA ZONE

Estimation Cost.Rs 1648409.00

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I No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)	Cum							
	New Drain								
	Basavasamithi Main Road W/S from 2nd cross to 3rd Cross		1	82.10	1.00	0.15	12.32		
			1	32.00	1.00	0.15	4.80		
	Basavasamithi 2nd cross E/S From Main Road to SWD		1	90.00	1.00	0.15	13.50		
	Basavasamithi 2nd cross W/S From Main Road to SWD		1	25.00	1.00	0.15	3.75		
			1	12.00	1.00	0.15	1.80		
	Culverts								
	Basavasamithi Main Road 2nd Cross Junction		1	7.50	1.80	0.15	2.03		
			1	5.55	1.50	0.15	1.25		
	Total						39.44	5109.00	201493.00
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2))	Cum							
	New Drain								
	Raft								

No	Description of work	Unit	Mesurement				Qty.	Rate	Amount
			No.	L	B	D			
	Basavasamithi Main Road W/S from 2nd cross to 3rd Cross		1	82.10	1.00	0.15	12.32		
			1	32.00	1.00	0.15	4.80		
	Basavasamithi 2nd cross E/S From Main Road to SWD		1	90.00	1.00	0.15	13.50		
	Basavasamithi 2nd cross W/S From Main Road to SWD		1	25.00	1.00	0.15	3.75		
			1	12.00	1.00	0.15	1.80		
	Side Wall								
	Basavasamithi Main Road W/S from 2nd cross to 3rd Cross		2	82.10	0.15	0.60	14.78		
			2	32.00	0.15	0.60	5.76		
	Basavasamithi 2nd cross E/S From Main Road to SWD		2	90.00	0.15	0.60	16.20		
	Basavasamithi 2nd cross W/S From Main Road to SWD		2	25.00	0.15	0.60	4.50		
			2	12.00	0.15	0.90	3.24		
							80.64		
	Culverts								
	Basavasamithi Main Road 2nd Cross Junction		1	7.50	1.60	0.20	2.40		
			1	5.55	1.30	0.20	1.44		
	Side Walls								
	Basavasamithi Main Road 2nd Cross Junction		2	7.50	0.25	0.60	2.25		
			2	5.55	0.25	0.60	1.67		
							7.76		
	Total						88.40	5893.00	520947.00
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600 & 2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)	Tonne							
	For Drain	Cum					80.64		
		kg					Steel assumed 60 Kg / Cum of Concrete	0.060	
								4.84	
	For Culvert	Cum					7.76		
		kg					Steel assumed 80 Kg / Cum of Concrete	0.080	
								0.62	
							5.46	95387.00	520739.00
5	Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. (Approved Data Rate)	Sqm							

No	Description of work	Unit	Measurement				Qty.	Rate	Amount
			No.	L	B	D			
	Covering Slab								
	Basavasamithi Main Road W/S from 2nd cross to 3rd Cross		8	0.60	0.90		4.32		
			7	0.60	0.90		3.78		
			4	0.60	0.90		2.16		
			1	0.60	0.90		0.54		
	Basavasamithi 2nd cross E/S From Main Road to SWD		9	0.60	0.90		4.86		
	Basavasamithi 2nd cross W/S From Main Road to SWD		1	25.00	0.90		22.50		
			1	12.00	0.90		10.80		
			1	50.00	0.90		45.00		
			1	95.00	0.90		85.50		
							179.46	1072.00	192381.00
6	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)	Cum							
	Qty Vide Item No - (1)						359.69		
	Total						359.69	65.00	23380.00
7	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)	T.Km							
	Qty from Item No - 06			359.69	1.28		460.40		
	Total						460.40	99.00	45580.00

No	Description of work	Unit	Measurement				Qty.	Rate	Amount
			No.	L	B	D			
	EIRL								
E1	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.4))								
		Cum							
	Ramp					Av.,			
	Basavasamithi Main Road W/S from 2nd cross to 3rd Cross		1	82.10	0.30	0.05	1.23		
	Basavasamithi 2nd cross E/S From Main Road to SWD		1	90.00	0.30	0.05	1.35		
	Basavasamithi 2nd cross W/S From Main Road to SWD		1	25.00	0.30	0.05	0.38		
			1	12.00	0.30	0.05	0.18		
						Av.,			
	Culvert Ramp								
	Basavasamithi Main Road 2nd Cross Junction		2	7.50	1.00	0.15	2.25		
			2	5.55	1.20	0.15	2.00		
	Basic rate	5728.00							
	Area weightage 10%	572.80							
	Sub Total	6300.80							
	Tender Premium @ -22.13 %	-1394.37							
	Total	4906.43							
	Total						7.38	4906.43	36232.00
E2	Providing and Fixing pre cast Covering Slab 230 mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete. As per Engineer incharge (Approved Data Rate)								
		Sqm							
	For Culvert								
	Basavasamithi Main Road 2nd Cross Junction		1	7.50	1.50		11.25		
			1	5.55	1.20		6.66		

No	Description of work	Unit	Measurement			Qty.	Rate	Amount
			No.	L	B	D		
	Data rate		5037.00					
	Tender Premium @ -22.13 %		-1114.69					
	Total		3922.31					
	Total					17.91	3922.31	70249.00
Grand Total								1648409.00

Rupees Sixteen Lakh(s) Forty Eight Thousand Four Hundred Nine Only

Assistant Engineer
Ward No. 14, Vidyanarayapura

Assistant Executive Engineer
Assistant Executive Engineer
Vidyanarayapura Sub Division
B.B.M.P, Bangalore - 97

Executive Engineer
Byatarayanapura Division

Technical Sanction
Approved for RS. 1648409.00
No. P.32.26.....12
CER NO. 236..... Dt: 15/5/3

[Signatures]